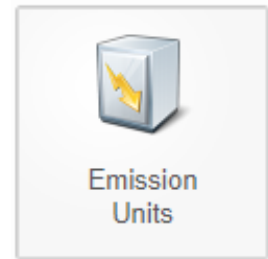


## Emission Units



This primer will provide additional information, including the options available on type of emission units in SLEIS.

**Identifier** - This is an identifier given to an Emissions Unit. The purpose of the identifier is to organize emissions units within a facility. A boiler, a process heater, or other combustion equipment are considered an emissions unit. An emissions unit includes processes that have a logical association. There are certain instances in which a building can be considered an emissions unit. For example, a research and development facility where there are numerous small and varied activities with numerous lab hoods, stacks, vents and exhaust systems can be an emissions unit with several processes. When there are numerous small sources, it is not important to identify or provide detailed information on each individual source. They can be summarized in a group containing several process units. Identifiers previously assigned to an emissions unit and its unit processes cannot be changed. New emissions units, not reported in previous years, must be added to the inventory and assigned a new, unique, identifier.

**Type** – Type of emission unit. The unit type number and unit type description are from EPA Emissions Inventory system. A table of the options for emission unit types are listed on the following pages.

**Status & Status Date** – If an emission unit is no longer operational, the status should be changed to Temporarily or Permanently Shutdown and provide the date of shutdown. Note: Permanently Shutdown should only be used if the unit has been disassembled and/or removed from the facility.

**Operation Start Date** – If a new emission unit is added, please provide the start date of operations for the unit.

**Design Capacity** - The measure of the size of the emission unit based on the maximum continuous throughput capacity of the unit. Required for emission unit types 100, 120, 200, 250, 260, 150, 180, 160, 140.

Type Number	Emission Unit Type Description
417	Aerated Grit Chamber
412	Aeration Basin
698	Agricultural Fiber Board Press
206	Air Gas Furnace
371	Anaerobic Digester
700	Atmospheric Refiner
379	Batch Digester
372	Belt Filter Press
611	Black Liquor Oxidation System
1404	Black Liquor Storage
1406	Bleach Storage
717	Bleaching and Extraction Tower
641	Blend Chest
100	Boiler
407	Bottoms Receiver Vessel
1699	Brown Stock Refiner
220	Calcliner
600	Chemical Reactor
293	Chemical Recovery Combustion Unit
761	Chip Conveyer
786	Chip Pile
1742	Chip Screen
1731	Chipper/Flaker/Hammermill
414	Chlorine Contact Basin
1734	Clinker Grinder
715	CIO2 Generator
762	Coal Conveyer
208	Cold top Furnace
1772	Collector Sewers
140	Combined Cycle (Boiler/Gas Turbine)
621	Condensate Stripper
1695	Conical Refiner
380	Continuous Digester
760	Conveyor
1251	Conveyor Stand Dryer
681	Cooling Process Equipment
680	Cooling Tower
720	Crusher
1732	Cumminutor/Grinder
292	Curing Oven
370	DAF Sludge Thickener

Type Number	Emission Unit Type Description
796	Debarking Drum
420	Dechlorination Basin
798	Decker
430	Degreaser
362	Diffused Air Activated Sludge Thickener
250	Direct-fired Dryer
409	Distillate Receiver Vessel
620	Distillation Column/Stripper
1691	Dregs Washer
214	Dry Kiln
262	Dry Rotary Dryer
255	Dryer, unknown if direct or indirect.
150	Duct Burner
702	Effluent Weir
204	Electric Furnace
1200	Electric Steel Shell Furnace
170	Engine Test Cell
697	Engineered Wood Products Press
413	Equalization Basin
718	Evaporator
403	Fermenter
713	Fiber Forming Equipment
699	Fiber Washer
265	Fiberboard Mat Dryer
712	Finish Mill
280	Flare
419	Flotation Cell
792	Former
383	Fractionation Unit
200	Furnace
623	Gas Stripper
480	Gasoline Loading Rack or Arm
369	Gravity Sludge Thickener
382	Green Liquor Clarifier
261	Green Rotary Dryer
730	Grinder
693	Hardboard Humidifier
291	Hardboard Oven
264	Hardboard Press Predryer
696	Hardwood Plywood Press
253	Hardwood Veneer Dryer

Type Number	Emission Unit Type Description
1741	Headworks Screen
2251	Hogged Fuel Dryer
418	Hot Well
270	Incinerator
260	Indirect-fired Dryer
392	Individual Drain System
210	Kiln
797	Knotter
215	Lime Kiln
1692	Lime Mud Washer
408	Liquid Waste Container
411	Log Vat
211	Lumber Dry Kiln
1696	Machine Chest
391	Manhole
363	Mechanical Mix Air Activated Sludge
1698	Mechanical Pulping Refiner (RMP)
1407	Methanol Storage
451	Miscellaneous Coating Operation
640	Mixer or Blender
703	Non-TSDF Treatment, Storage, Disposal System
714	O2 Delignification
373	Oil-Water Separator
300	Open Air Fugitive Source
285	Open Burning
785	Open Storage Pile
410	Open Tank or Vat
374	Organic-Water Separator
790	Other bulk material equipment
290	Other combustion
490	Other evaporative sources
390	Other fugitive
690	Other process equipment
610	Oxidation Unit
207	Oxyfuel Furnace
716	Ozone Reactor
1694	Paper Machine
209	Pot/Marble Melt Furnace
705	Pressure Relief Device, not a valve
706	Pressure Relief Valve
1703	Pressurized Refiner

Type Number	Emission Unit Type Description
361	Primary Clarifier
375	Primary Condenser
721	Primary Crusher
401	Primary Settling Tank
1252	Primary Tube Dryer
470	Printing Line
360	Process Equipment and Process Area Drains
350	Process Equipment Fugitive Leaks
180	Process Heater
376	Process Vent
1743	Pulp Screen
1403	Pulp Storage
406	Pure Culture Fermenter
364	Pure Oxygen Activated Sludge
1733	Raw Material Grinder
160	Reciprocating IC Engine
692	Reconstituted Wood Product Board Cooler
691	Reconstituted Wood Product Press
1201	Recovery Furnace - Direct Contact Evaporator
1202	Recovery Furnace - Nondirect Contact Evaporator
203	Recuperative Furnace
202	Regenerative Furnace
1697	Repulper
310	Roof vents/Building vents
263	Rotary Agricultural Fiber Dryer
212	Rotary Kiln
254	Rotary Strand Dryer
1254	Rotary Yeast Dryer
1690	Salt Cake Tank
793	Sander
794	Saw
740	Screen
366	Secondary Clarifier
722	Secondary Crusher
402	Secondary Settling Tank
1253	Secondary Tube Dryer
378	Separator, Other than oil-water or organic-water
492	Settling Pit
780	Silo
1693	Slaker
701	Sludge Centrifuge

Type Number	Emission Unit Type Description
281	Sludge Digester Gas Flare
415	Sludge Drying Bed
416	Sludge Storage Lagoons/Drying Beds
719	Smelt Dissolving Tank
695	Softwood Plywood Press
251	Softwood Veneer Dryer
1701	Solvent Extraction Unit
450	Spray Booth or Coating Line
694	Stand Alone Digester
622	Steam Stripper
405	Stock Fermenter
1744	Stock Screen
1402	Storage bin
400	Storage Tank
494	Surface Impoundment
1401	Surge Control Tank
367	Tertiary Filters
1702	Thin Film Evaporator
404	Trade Fermenter
770	Transfer Point
1775	Transfer System
365	Trickling Filter
120	Turbine
999	Unclassified
205	Unit Melter Furnace
271	Vapor Incinerator
252	Veneer Redryer
805	Waste Stabilization Equipment
1771	Waste Water Junction Box
1773	Waste Water Lift Station
810	Wastewater Handling Equipment
801	Wastewater Treatment Unit
1776	Weigh Hopper
213	Wet Kiln
381	White Liquor Clarifier
1405	White Liquor Storage
1700	White Stock Refiner